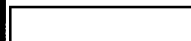


PHOTOGRAPHIC INTERPRETATION REPORT



SITE 13
SARY-SHAGAN ANTIMISSILE
TEST CENTER
USSR



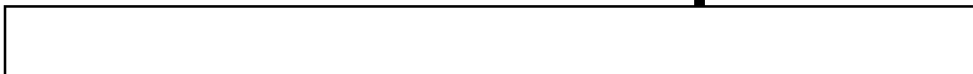
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NOVEMBER 1966

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DECLASS REVIEW by NIMA/DOD



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GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

PREFACE

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This photographic interpretation report is prepared in partial response to CIA requirement C-DI5-82,750, which requested scaled, rectified line drawings of selected facilities at Sary-Shagan Antimissile Test Center (SSATC). The data base contained herein was derived from photography obtained on Mission

Subsequent reports, issued periodically, will update this basic report, utilizing photography received during the reporting period. Changes in basic facilities and/or the addition of new facilities during that time will be shown by color coding on the basic line drawing.

All measurements presented in this report were accomplished by the NPIC Technical Intelligence Division (TID) and are considered accurate within the following tolerances:

	Horizontal Measurements	Vertical Measurements	Relative Position on Plot
HEN HOUSE Structures only	$\pm 5'$ or 2% ^a	$\pm 5'$ or 5% ^a	$\pm 5'$ or 5% ^a
Associated Structures and details on individual HEN HOUSE Base Plots	$\pm 5'$ or 3% ^a	$\pm 5'$ or 5% ^a	$\pm 5'$ or 5% ^a
Northern & Central Support Areas			
Transformer Substation			
Overall plot	$\pm 5'$ or 3% ^a	$\pm 5'$ or 3% ^a	$\pm 5'$ or 5% ^a
Southern Support	$\pm 5'$ or 8% ^a	$\pm 10'$ or 5% ^a	$\pm 10'$ or 5% ^a

^awhichever is greater

The precision target plots included in this report are mathematically rectified projections of the area. Plots are compiled utilizing precision mensuration instruments, and image interpretation is performed with the aid of stereoscopic viewing equipment. Identifiable image points are measured and their coordinate values mathematically transformed by computer. This transformation corrects for camera and attitude (pitch, roll, and yaw) induced distortions but does not correct for displacement due to ground relief and object height. While these target plots represent the most accurate data compiled to date, the user is cautioned to exercise care in scaling distances or determining azimuths from these plots inasmuch as relief can introduce errors in distance and alignment.

SITE 13, SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR

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Site 13 (Figure 2) is located approximately 52 nautical miles (nm) northeast of the Main Support Base at the Sary-Shagan Antimissile Test Center at 46-35N 074-31E. The first activity observed at the site was the construction of the building triad (Figure 3) in [redacted] Construction activity on the Dual HEN HOUSE radars at Site 13 was first noted as follows: Dual HEN HOUSE A (Figure 4) [redacted] Dual HEN HOUSE B (Figure 5) [redacted] Dual HEN HOUSE C (Figure 6) [redacted] and Dual HEN HOUSE D (Figure 7)

[redacted] facilities at Site 13 consisted of 1 Dual HEN HOUSE radar which is apparently externally complete, 3 Dual HEN HOUSE radars under construction but still uncompleted, a transformer substation (Figure 8), and associated support areas (Figures 9, 10, 11 and 12). In addition, a functionally unidentified earth scar was located northwest of the HEN HOUSE activity.

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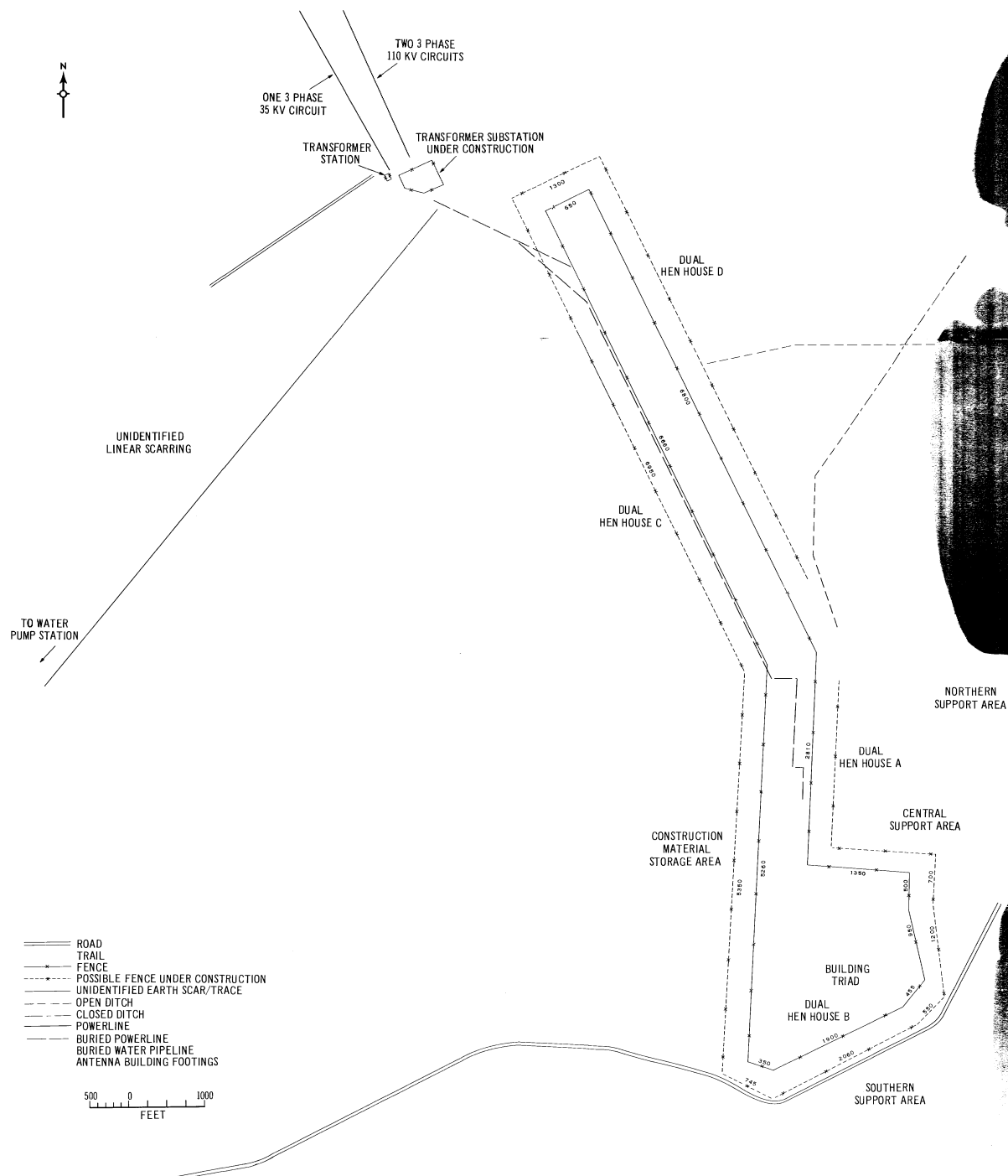
FIGURE 1. SITE 13, SSATC.

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NOTE: STRUCTURES DEPICTED HAVE NOT BEEN RECTIFIED WITH OTHER FEATURES

FIGURE 2. OVERALL LINE DRAWING OF SITE 13.

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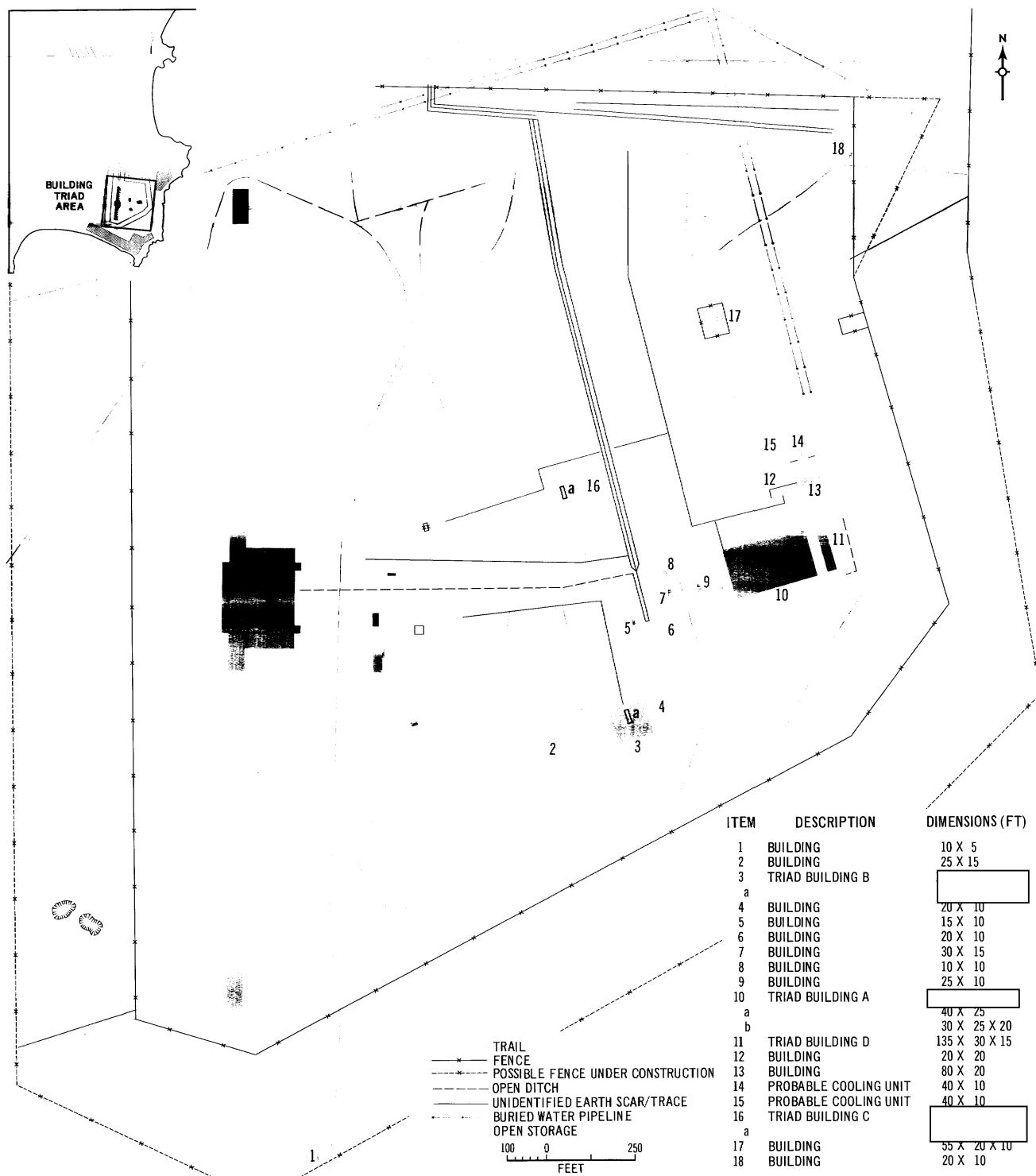


FIGURE 3. BUILDING TRIAD, SITE 13.

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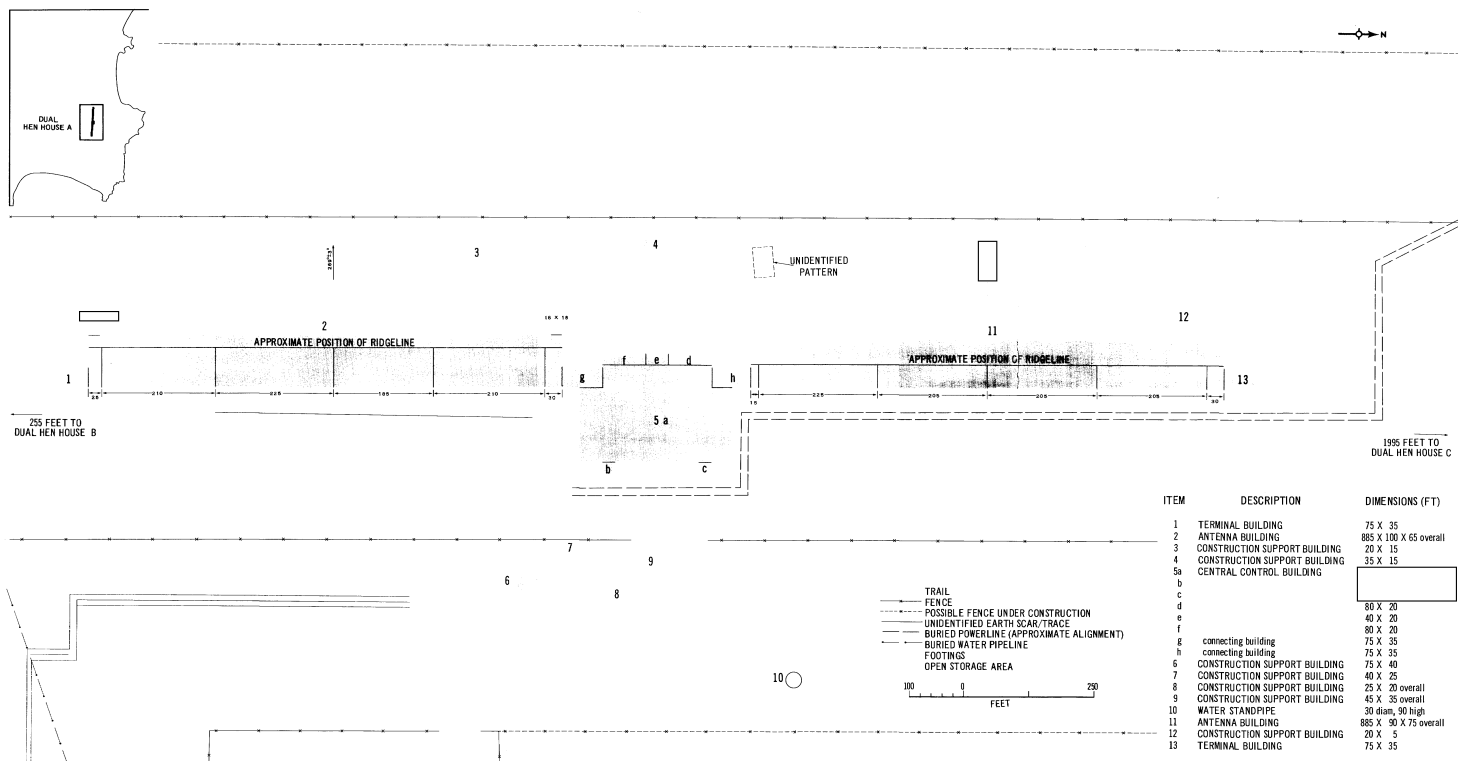
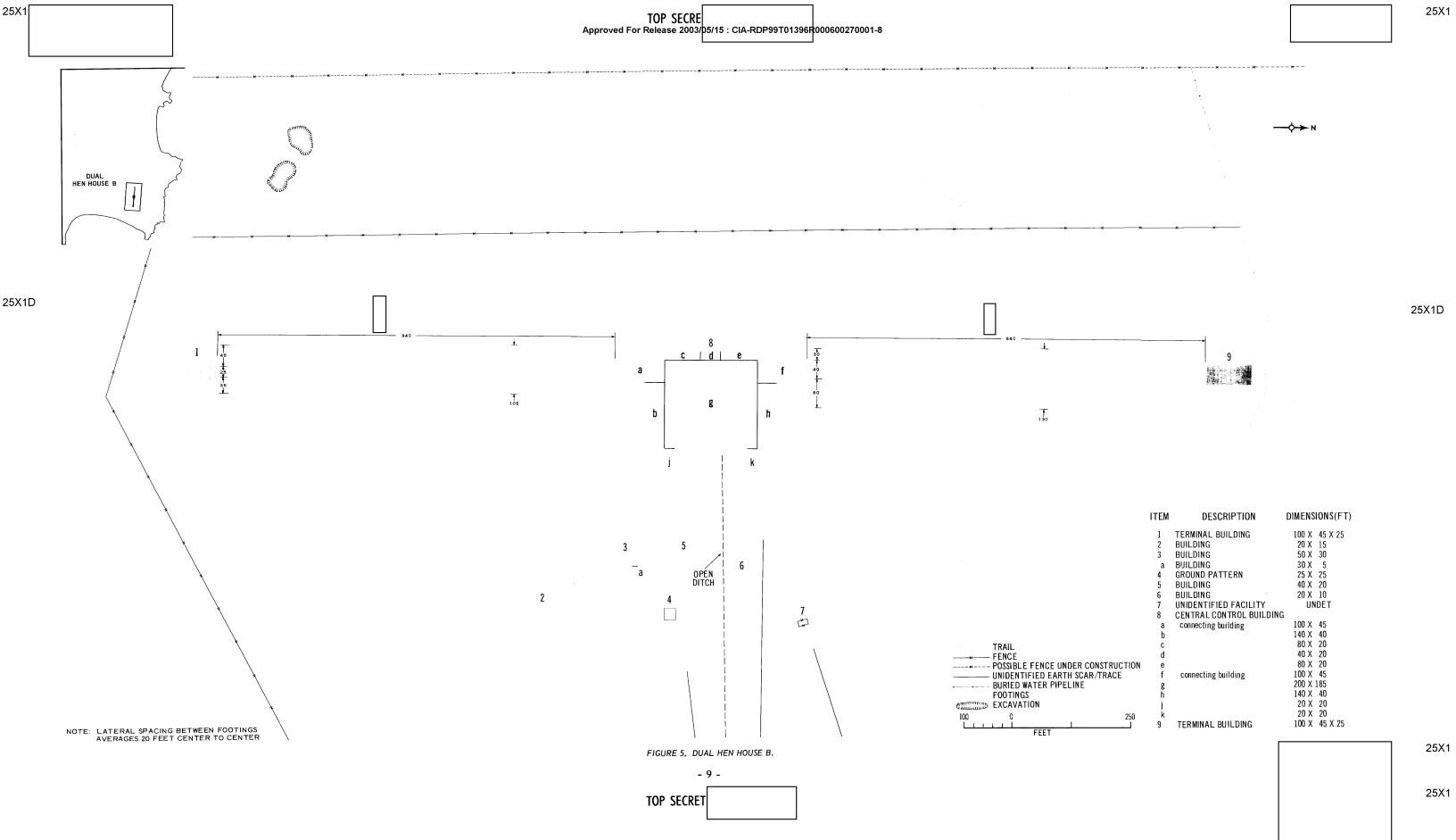


FIGURE 4. DUAL HEN HOUSE A.



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FIGURE 6. DIAL HEN HOUSE C.

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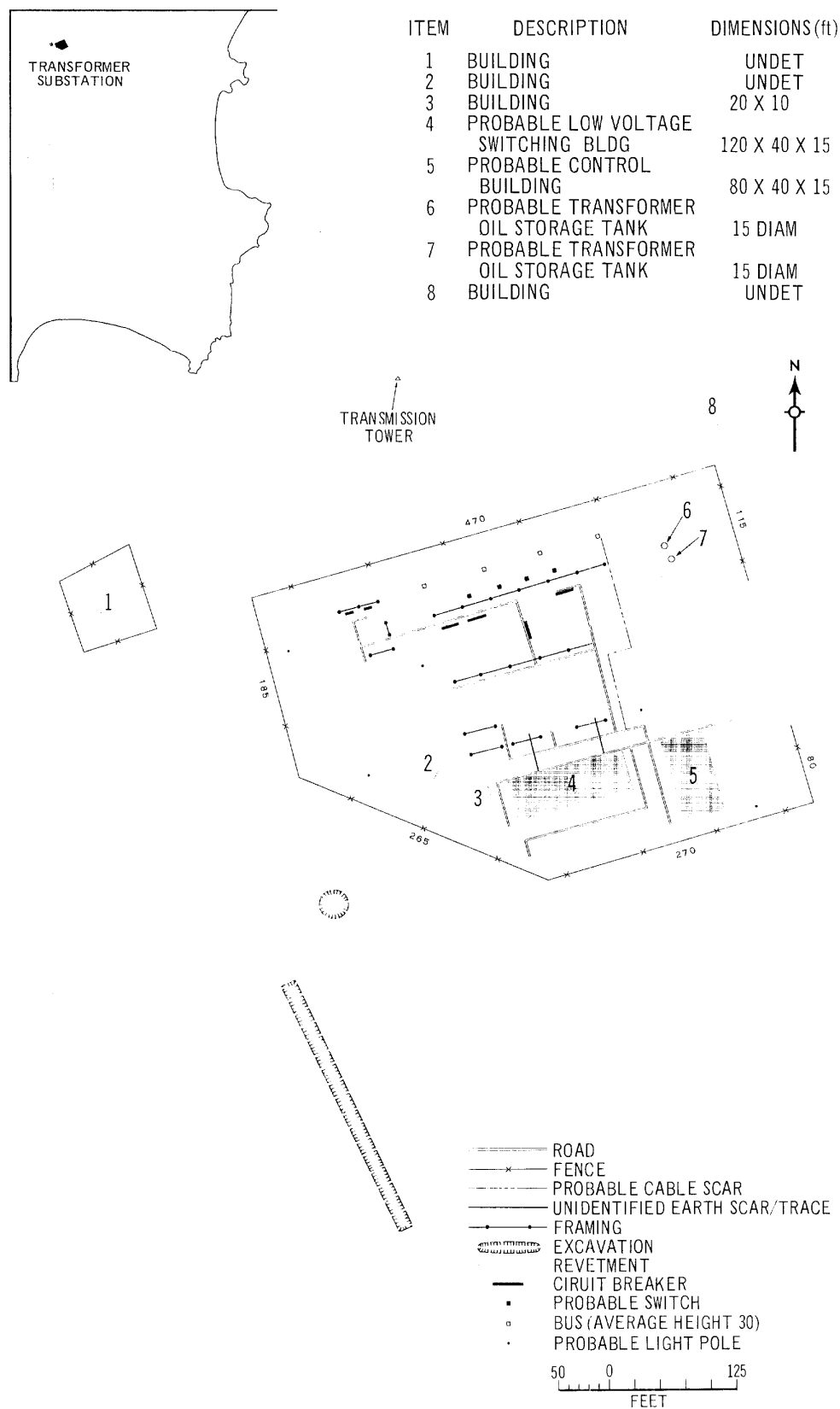
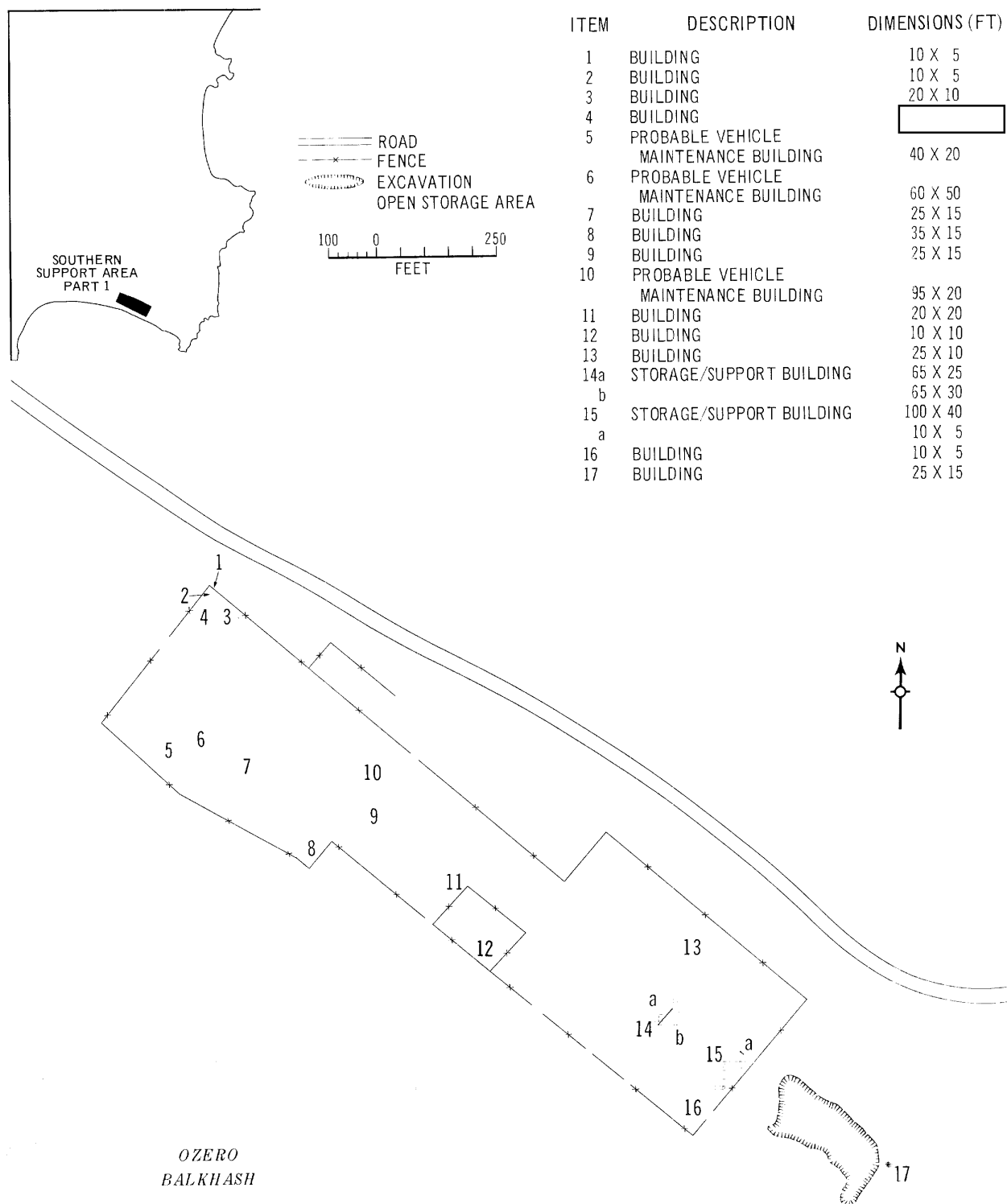


FIGURE 8. TRANSFORMER SUBSTATION.



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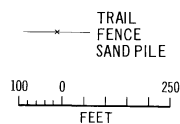
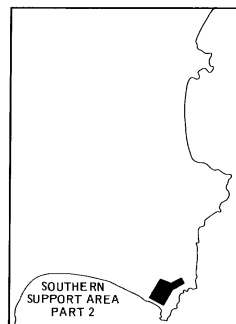
FIGURE 9. SOUTHERN SUPPORT AREA, PART I.

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ITEM	DESCRIPTION	DIMENSIONS (FT)	ITEM	DESCRIPTION	DIMENSIONS (FT)
1a	BUILDING	30 X 25	9	BUILDING	45 X 20
b		40 X 20	10	BUILDING	20 X 15
c		30 X 15	11	BUILDING	165 X 35
2	BUILDING	40 X 25	12a	BUILDING	105 X 40
3	BUILDING	15 X 15	b		20 X 10
4a	BUILDING	95 X 20 X 10	13	BUILDING	35 X 15
b		60 X 15	14	BUILDING	115 X 30
5	BUILDING	20 X 20 X 50	15	BUILDING	115 X 30
6a	BUILDING	115 X 50 X 10	16	BUILDING	110 X 30
b		25 X 20	17	BUILDING	110 X 30
7	BUILDING	20 X 10	18a	BUILDING	70 X 20
8	BUILDING	20 X 10	b		110 X 30
			19	BUILDING	110 X 30
			20	BUILDING	35 X 15
			21	BUILDING	35 X 25
			22	BUILDING	60 X 35
			23a	BUILDING	85 X 40
			b		90 X 35
			c		20 X 15
			24a	BUILDING	75 X 35
			b		105 X 40
			c		20 X 10
			d		20 X 10
			e		15 X 10
			25a	BUILDING	35 X 20
			b		15 X 10
			26	BUILDING	20 X 10
			27	BUILDING	20 X 10
			28	BUILDING	105 X 45
			29	TANK	15 diam
			30	TANK	10 diam
			31	BUILDING	105 X 45
			32	BUILDING	105 X 45
			33	GROUND PATTERN	20 X 15
			34	BUILDING	105 X 45
			35	TANK	15 diam
			36	TANK	10 diam
			37	BUILDING	105 X 45
			38	BUILDING	105 X 45
			39	TANK	15 diam
			40	BUILDING	105 X 45
			41a	BUILDING	100 X 40
			b		80 X 30
			42	BUILDING	85 X 30
			43	BUILDING	UNDET
			44	BUILDING	100 X 30
			45	BUILDING	85 X 30
			46	BUILDING	100 X 30 X 10
			47a	BUILDING	110 X 30
			b		15 X 10
			48	BUILDING	110 X 30
			49	BUILDING	60 X 30
			50	BUILDING	75 X 30
			51	BUILDING	20 X 10
			52	BUILDING	20 X 20
			53	BUILDING	50 X 25
			54	BUILDING	15 X 10
			55	BUILDING	35 X 20
			56	BUILDING	30 X 20
			57	BUILDING	15 X 15
			58a	BUILDING	20 X 15
			b		35 X 15
			59	BUILDING	15 X 15
			60	BUILDING	70 X 20 X 10

FIGURE 10. SOUTHERN SUPPORT AREA, PART II.

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ITEM	DESCRIPTION	DIMENSIONS (FT)	ITEM	DESCRIPTION	DIMENSIONS (FT)	ITEM	DESCRIPTION	DIMENSIONS (FT)
1	BUILDING	10 X 10	15	HOUSING/STORAGE BUILDING	20 X 5	27	TANK	15 diam
2	PROB SEWAGE DISPOSAL PLANT	70 X 20	a			28	HOUSING/STORAGE BUILDING	90 X 25 X 10
3	BUILDING	20 X 20 overall	16	TANK	105 X 45 X 10	a		45 X 20
4	PROB SETTLING BASINS	10 diam	17	HOUSING/STORAGE BUILDING	105 X 40 X 10	b		45 X 20
5	STORAGE/SUPPORT BUILDING	65 X 20	18	TANK	105 X 40 X 10	29	STORAGE/SUPPORT BUILDING	100 X 30
a		40 X 20	19	HOUSING/STORAGE BUILDING	20 X 15	30	STORAGE/SUPPORT BUILDING	100 X 30
6	STORAGE/SUPPORT BUILDING	80 X 25	a			31	STORAGE/SUPPORT BUILDING	100 X 30
7	STORAGE/SUPPORT BUILDING	40 X 20	20	HOUSING/STORAGE BUILDING	105 X 35 X 10	32	STORAGE/SUPPORT BUILDING	80 X 30
8	BUILDING	10 X 10	21	TANK	45 X 20	33	STORAGE/SUPPORT BUILDING	40 X 10
9	BUILDING	5 X 5	22	HOUSING/STORAGE BUILDING	120 X 20	34	STORAGE/SUPPORT BUILDING	40 X 10
10	PROB VEHICLE SHED	190 X 20	a			35	BUILDING	UNDET
11	PROBABLE HARDSTAND	UNDET	23	HOUSING/STORAGE BUILDING	30 X 20	36	BUILDING	UNDET
12	STORAGE/SUPPORT BUILDING	50 X 10	b			37	PROB RECREATION FACILITY	130 X 40 X 10
a		65 X 10	24	HOUSING/STORAGE BUILDING	90 X 30	38	STORAGE/SUPPORT BUILDING	20 X 10
b		80 X 45	a			39	BUILDING	20 X 10
c		70 X 25	25	TANK	60 X 30	40	BUILDING	20 X 10
d		60 X 40	26	HOUSING/STORAGE BUILDING	100 X 30	41	BUILDING	55 X 30 overall
13	POSSIBLE ADMIN BUILDING	35 X 20	a			42	POSS MAINTENANCE SHOP	30 X 10
14	BUILDING					43	BUILDING	30 X 15
						44	BUILDING	25 X 10
						45	BUILDING	40 X 40
						46	STORAGE/SUPPORT BUILDING	40 X 40 overall
						47	BUILDING	40 X 40
						48	BUILDING	40 X 30
						49	BUILDING	55 X 30 overall
						50	BUILDING	25 X 10
						51	BUILDING	60 X 60 overall

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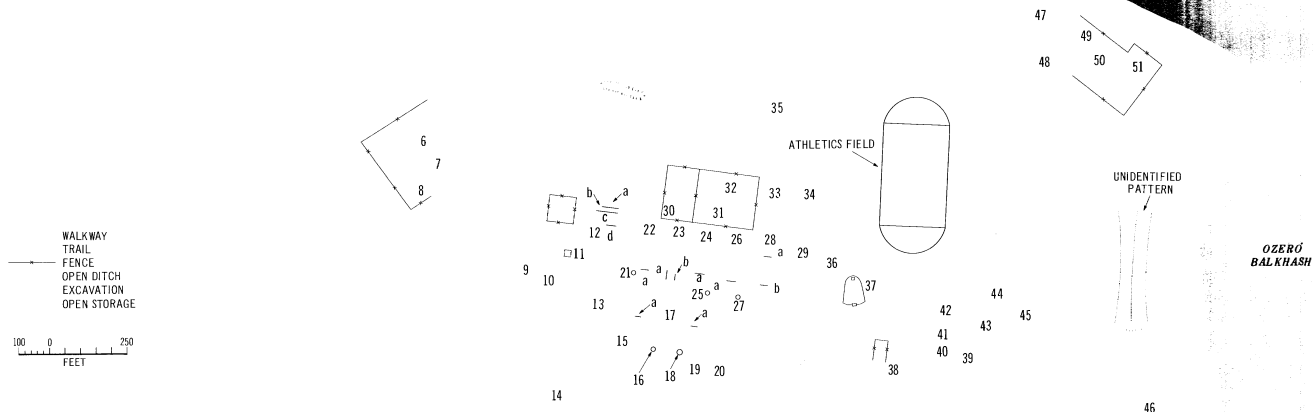


FIGURE 11. NORTHERN SUPPORT AREA.

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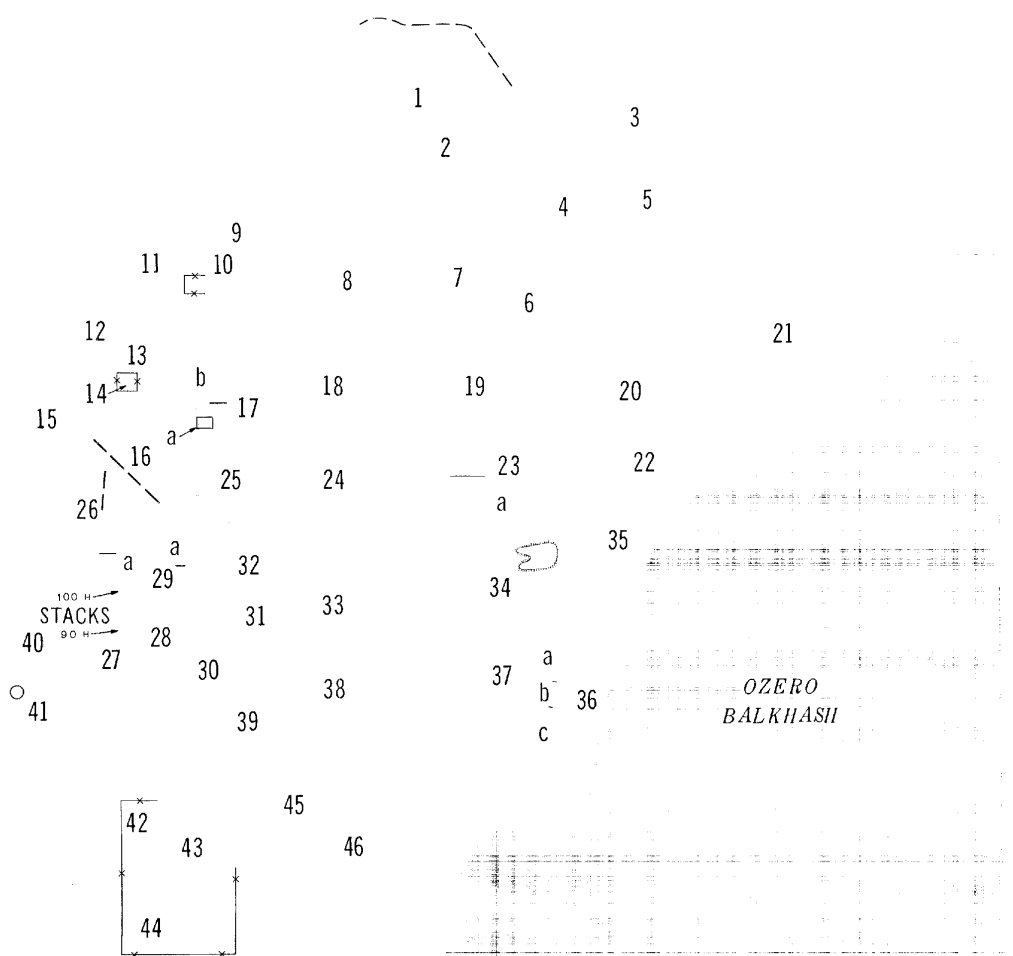
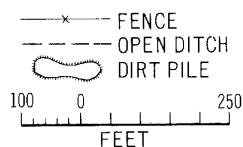
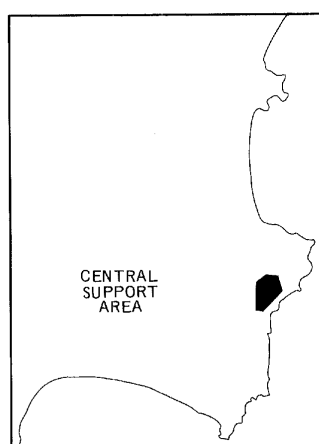
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ITEM	DESCRIPTION	DIMENSIONS (FT)
1	BUILDING UNDER CONSTRUCTION	80 X 60 overall
2	BUILDING UNDER CONSTRUCTION	
3	PROBABLE ADMINISTRATION BUILDING	90 X 50 overall
4	BUILDING	15 X 15
5	BUILDING	20 X 20
6	BUILDING UNDER CONSTRUCTION	170 X 40
7	BUILDING	20 X 5
8	POSSIBLE ADMINISTRATION BUILDING UNDER CONSTRUCTION	135 X 45 X 15
9	STORAGE/SUPPORT BUILDING	80 X 30
10	STORAGE/SUPPORT BUILDING	35 X 30
11	STORAGE/SUPPORT BUILDING	70 X 30 X 10
12	BUILDING	20 X 15
13	BUILDING	20 X 20
14	BUILDING	10 X 5
15	STORAGE/SUPPORT BUILDING	70 X 20
16	STORAGE/SUPPORT BUILDING	55 X 40
17	PROBABLE ADMINISTRATION BUILDING	80 X 60 X 15
a		30 X 20
b		90 X 30
18	HOUSING-TYPE BUILDING	130 X 40 X 20
19	MULTISTORY APARTMENT-TYPE BUILDING	165 X 40 X 35
20	MULTISTORY APARTMENT-TYPE BUILDING	170 X 40 X 35
21	MULTISTORY APARTMENT-TYPE BUILDING	175 X 45 X 40
22	BUILDING	20 X 10
23	BUILDING UNDER CONSTRUCTION	105 X 60
a		100 X 60
24	MULTISTORY APARTMENT-TYPE BUILDING	135 X 45 X 35
25	PROBABLE ADMINISTRATION BUILDING	110 X 60 X 15
26	SUPPORT BUILDING	70 X 40
a		30 X 30
27	STEAMPLANT	155 X 30
28	BUILDING	20 X 10
29	SUPPORT BUILDING	65 X 35
a		15 X 15
30	SUPPORT BUILDING	50 X 20 X 10
31	STORAGE/SUPPORT BUILDING	80 X 40 X 10
32	STORAGE/SUPPORT BUILDING	40 X 30 X 10
33	HOUSING-TYPE BUILDING	130 X 60 X 20
34	BUILDING UNDER CONSTRUCTION	140 X 80
35	BUILDING	10 X 10
36a	BUILDING	40 X 20
b		45 X 10
c		25 X 25
37	BUILDING	20 X 20
38	MULTISTORY APARTMENT-TYPE BUILDING	130 X 50 X 35
39	STORAGE/SUPPORT BUILDING	80 X 40 X 10
40	STORAGE/SUPPORT BUILDING	50 X 20
41	TANK	25 diam
42	BUILDING	20 X 10
43	PROBABLE VEHICLE MAINTENANCE BUILDING	135 X 60 X 15
44	BUILDING	15 X 10
45	STORAGE/SUPPORT BUILDING	60 X 30 X 10
46	HOUSING-TYPE BUILDING	125 X 45 X 30

FIGURE 12. CENTRAL SUPPORT AREA.

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REFERENCES

MAPS OR CHARTS

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RELATED DOCUMENT

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Electric Power at Selected AMM and Space Installations, USSR, Oct 65 (TOP SECRET

REQUIREMENT

CIA. C-DI5-82,750

NPIC PROJECT

11023/66 (partial answer)

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